

What is claimed is:

1. A detecting agent for gas containing metal compound, which comprises pyridylazo compound as a color transition component supported on a carrier.
2. The detecting agent according to Claim 1, wherein said pyridylazo compound is pyridylazo phenolic compound, pyridylazo naphthol compound or pyridylazo resorcinol compound.
3. The detecting agent according to Claim 1, wherein said pyridylazo compound is 1-(2-pyridylazo)-2-naphthol.
4. The detecting agent according to Claim 1, wherein said carrier is cellulose or silica gel.
5. The detecting agent according to Claim 1, wherein said metal compound is an alkylmetal compound or metal halides.
6. The detecting agent according to Claim 5, wherein said alkylmetal compound is trimethylgallium, triethylgallium, trimethylindium, triethylindium, trimethylaluminum or triethylaluminium.
7. The detecting agent according to Claim 1, wherein a metal in said metal compound is boron, aluminum, titanium, vanadium,

chromium, manganese, iron, cobalt, nickel, copper, zinc, gallium, zirconium, niobium, molybdenum, ruthenium, rhodium, palladium, silver, cadmium, indium, tin, antimony, lanthanum, cerium, hafnium, tantalum, tungsten, rhenium, osmium, iridium, platinum, gold, mercury, thallium, lead or bismuth.

8. The detecting agent according to Claim 1, wherein the amount of said pyridylazo compound contained in said carrier is from 0.01 to 10 % by weight.

9. A detection method for detecting a metal compound contained in a gas comprises steps of bringing the gas containing the metal compound into contact with a detecting agent comprising pyridylazo compound as a color transition component supported on a carrier; and detecting a color transition of the detecting agent.

10. The detection method according to Claim 9, wherein said metal compound is an alkylmetal compound or metal halides.

11. The detection method according to Claim 10, wherein said alkylmetal compound is trimethylgallium, triethylgallium, trimethylindium, triethylindium, trimethylaluminum or triethylaluminium.

12. The detection method according to Claim 9, wherein a metal in said metal compound is boron, aluminum, titanium, vanadium,

chromium, manganese, iron, cobalt, nickel, copper, zinc, gallium, zirconium, niobium, molybdenum, ruthenium, rhodium, palladium, silver, cadmium, indium, tin, antimony, lanthanum, cerium, hafnium, tantalum, tungsten, rhenium, osmium, iridium, platinum, gold, mercury, thallium, lead or bismuth.

13. The detection method according to Claim 9, wherein said gas further contains hydrogen.

14. The detection method according to Claim 9, wherein said gas further contains ammonia.

15. The detection method according to Claim 9, wherein said gas further contains basic gas without having any metal in its molecular.